

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : **7,288,390**
DATED : **October 30, 2007**
INVENTOR(S) : **George Heavner, Jill Giles-Komar, Linda Snyder and
Mohit Trikha**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby
corrected as shown below:

Column 69, line 20 to Column 79, line 18: cancel the Sequence Listing beginning
with "(1) GENERAL INFORMATION:" and ending with "Leu" in column 79,
line 18, and insert the following Sequence Listing:

<160> NUMBER OF SEQ ID NOS: 17

<210> SEQ ID NO 1

<211> LENGTH: 5

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 1

Arg Tyr Thr Met His
1 5

<210> SEQ ID NO 2

<211> LENGTH: 17

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 2

Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Val Asp Ser Val Lys
1 5 10 15
Gly

<210> SEQ ID NO 3

<211> LENGTH: 10

<212> TYPE: PRT

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FORM PTO 1050 (Rev. 2-93)

PATENT NO. 7,288,390

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Mohit Trikha**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby
corrected as shown below:

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 3

Glu Ala Arg Gly Ser Tyr Ala Phe Asp Ile
1 5 10

<210> SEQ ID NO 4

<211> LENGTH: 11

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 4

Arg Ala Ser Gln Ser Val Ser Ser Tyr Leu Ala
1 5 10

<210> SEQ ID NO 5

<211> LENGTH: 7

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 5

Asp Ala Ser Asn Arg Ala Thr
1 5

<210> SEQ ID NO 6

<211> LENGTH: 8

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

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<400> SEQUENCE: 6

Gln Gln Arg Ser Asn Trp Pro Pro
1 5

<210> SEQ ID NO 7

<211> LENGTH: 119

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 7

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15
Ser Arg Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Arg Tyr
20 25 30
Thr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45
Ala Val Ile Ser Phe Asp Gly Ser Asn Lys Tyr Tyr Val Asp Ser Val
50 55 60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Glu Asn Thr Leu Tyr
65 70 75 80
Leu Gln Val Asn Ile Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95
Ala Arg Glu Ala Arg Gly Ser Tyr Ala Phe Asp Ile Trp Gly Gln Gly
100 105 110
Thr Met Val Thr Val Ser Ser
115

<210> SEQ ID NO 8

<211> LENGTH: 108

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

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<400> SEQUENCE: 8

```
Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly
1           5           10           15
Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Tyr
           20           25           30
Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile
           35           40           45
Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly
           50           55           60
Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro
65           70           75           80
Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser Asn Trp Pro Pro
           85           90           95
Phe Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
           100          105
```

<210> SEQ ID NO 9

<211> LENGTH: 1048

<212> TYPE: PRT

<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 9

```
Met Ala Phe Pro Pro Arg Arg Arg Leu Arg Leu Gly Pro Arg Gly Leu
1           5           10           15
Pro Leu Leu Leu Ser Gly Leu Leu Leu Pro Leu Cys Arg Ala Phe Asn
           20           25           30
Leu Asp Val Asp Ser Pro Ala Glu Tyr Ser Gly Pro Glu Gly Ser Tyr
           35           40           45
Phe Gly Phe Ala Val Asp Phe Phe Val Pro Ser Ala Ser Ser Arg Met
           50           55           60
Phe Leu Leu Val Gly Ala Pro Lys Ala Asn Thr Thr Gln Pro Gly Ile
65           70           75           80
```

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Val	Glu	Gly	Gly	Gln	Val	Leu	Lys	Cys	Asp	Trp	Ser	Ser	Thr	Arg	Arg
				85					90					95	
Cys	Gln	Pro	Ile	Glu	Phe	Asp	Ala	Thr	Gly	Asn	Arg	Asp	Tyr	Ala	Lys
			100					105					110		
Asp	Asp	Pro	Leu	Glu	Phe	Lys	Ser	His	Gln	Trp	Phe	Gly	Ala	Ser	Val
		115					120					125			
Arg	Ser	Lys	Gln	Asp	Lys	Ile	Leu	Ala	Cys	Ala	Pro	Leu	Tyr	His	Trp
	130					135					140				
Arg	Thr	Glu	Met	Lys	Gln	Glu	Arg	Glu	Pro	Val	Gly	Thr	Cys	Phe	Leu
	145				150				155					160	
Gln	Asp	Gly	Thr	Lys	Thr	Val	Glu	Tyr	Ala	Pro	Cys	Arg	Ser	Gln	Asp
			165					170						175	
Ile	Asp	Ala	Asp	Gly	Gln	Gly	Phe	Cys	Gln	Gly	Gly	Phe	Ser	Ile	Asp
		180						185					190		
Phe	Thr	Lys	Ala	Asp	Arg	Val	Leu	Leu	Gly	Gly	Pro	Gly	Ser	Phe	Tyr
		195					200					205			
Trp	Gln	Gly	Gln	Leu	Ile	Ser	Asp	Gln	Val	Ala	Glu	Ile	Val	Ser	Lys
	210					215					220				
Tyr	Asp	Pro	Asn	Val	Tyr	Ser	Ile	Lys	Tyr	Asn	Asn	Gln	Leu	Ala	Thr
	225				230					235				240	
Arg	Thr	Ala	Gln	Ala	Ile	Phe	Asp	Asp	Ser	Tyr	Leu	Gly	Tyr	Ser	Val
			245					250						255	
Ala	Val	Gly	Asp	Phe	Asn	Gly	Asp	Gly	Ile	Asp	Asp	Phe	Val	Ser	Gly
		260						265					270		
Val	Pro	Arg	Ala	Ala	Arg	Thr	Leu	Gly	Met	Val	Tyr	Ile	Tyr	Asp	Gly
		275					280					285			
Lys	Asn	Met	Ser	Ser	Leu	Tyr	Asn	Phe	Thr	Gly	Glu	Gln	Met	Ala	Ala
	290					295					300				
Tyr	Phe	Gly	Phe	Ser	Val	Ala	Ala	Thr	Asp	Ile	Asn	Gly	Asp	Asp	Tyr
	305				310					315				320	
Ala	Asp	Val	Phe	Ile	Gly	Ala	Pro	Leu	Phe	Met	Asp	Arg	Gly	Ser	Asp
			325					330						335	

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Gly	Lys	Leu	Gln	Glu	Val	Gly	Gln	Val	Ser	Val	Ser	Leu	Gln	Arg	Ala
			340					345					350		
Ser	Gly	Asp	Phe	Gln	Thr	Thr	Lys	Leu	Asn	Gly	Phe	Glu	Val	Phe	Ala
		355					360					365			
Arg	Phe	Gly	Ser	Ala	Ile	Ala	Pro	Leu	Gly	Asp	Leu	Asp	Gln	Asp	Gly
		370				375				380					
Phe	Asn	Asp	Ile	Ala	Ile	Ala	Ala	Pro	Tyr	Gly	Gly	Glu	Asp	Lys	Lys
		385			390					395				400	
Gly	Ile	Val	Tyr	Ile	Phe	Asn	Gly	Arg	Ser	Thr	Gly	Leu	Asn	Ala	Val
			405					410					415		
Pro	Ser	Gln	Ile	Leu	Glu	Gly	Gln	Trp	Ala	Ala	Arg	Ser	Met	Pro	Pro
		420					425						430		
Ser	Phe	Gly	Tyr	Ser	Met	Lys	Gly	Ala	Thr	Asp	Ile	Asp	Lys	Asn	Gly
		435				440				445					
Tyr	Pro	Asp	Leu	Ile	Val	Gly	Ala	Phe	Gly	Val	Asp	Arg	Ala	Ile	Leu
		450			455					460					
Tyr	Arg	Ala	Arg	Pro	Val	Ile	Thr	Val	Asn	Ala	Gly	Leu	Glu	Val	Tyr
		465			470				475					480	
Pro	Ser	Ile	Leu	Asn	Gln	Asp	Asn	Lys	Thr	Cys	Ser	Leu	Pro	Gly	Thr
			485					490					495		
Ala	Leu	Lys	Val	Ser	Cys	Phe	Asn	Val	Arg	Phe	Cys	Leu	Lys	Ala	Asp
		500					505					510			
Gly	Lys	Gly	Val	Leu	Pro	Arg	Lys	Leu	Asn	Phe	Gln	Val	Glu	Leu	Leu
		515				520					525				
Leu	Asp	Lys	Leu	Lys	Gln	Lys	Gly	Ala	Ile	Arg	Arg	Ala	Leu	Phe	Leu
		530			535			540							
Tyr	Ser	Arg	Ser	Pro	Ser	His	Ser	Lys	Asn	Met	Thr	Ile	Ser	Arg	Gly
		545			550			555						560	
Gly	Leu	Met	Gln	Cys	Glu	Glu	Leu	Ile	Ala	Tyr	Leu	Arg	Asp	Glu	Ser
			565				570					575			
Glu	Phe	Arg	Asp	Lys	Leu	Thr	Pro	Ile	Thr	Ile	Phe	Met	Glu	Tyr	Arg
		580				585					590				
Leu	Asp	Tyr	Arg	Thr	Ala	Ala	Asp	Thr	Thr	Gly	Leu	Gln	Pro	Ile	Leu
		595				600					605				

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Asn	Gln	Phe	Thr	Pro	Ala	Asn	Ile	Ser	Arg	Gln	Ala	His	Ile	Leu	Leu
610						615					620				
Asp	Cys	Gly	Glu	Asp	Asn	Val	Cys	Lys	Pro	Lys	Leu	Glu	Val	Ser	Val
625					630					635					640
Asp	Ser	Asp	Gln	Lys	Lys	Ile	Tyr	Ile	Gly	Asp	Asp	Asn	Pro	Leu	Thr
				645					650					655	
Leu	Ile	Val	Lys	Ala	Gln	Asn	Gln	Gly	Glu	Gly	Ala	Tyr	Glu	Ala	Glu
			660					665					670		
Leu	Ile	Val	Ser	Ile	Pro	Leu	Gln	Ala	Asp	Phe	Ile	Gly	Val	Val	Arg
			675				680					685			
Asn	Asn	Glu	Ala	Leu	Ala	Arg	Leu	Ser	Cys	Ala	Phe	Lys	Thr	Glu	Asn
			690			695					700				
Gln	Thr	Arg	Gln	Val	Val	Cys	Asp	Leu	Gly	Asn	Pro	Met	Lys	Ala	Gly
705					710					715					720
Thr	Gln	Leu	Leu	Ala	Gly	Leu	Arg	Phe	Ser	Val	His	Gln	Gln	Ser	Glu
				725					730					735	
Met	Asp	Thr	Ser	Val	Lys	Phe	Asp	Leu	Gln	Ile	Gln	Ser	Ser	Asn	Leu
			740					745					750		
Phe	Asp	Lys	Val	Ser	Pro	Val	Val	Ser	His	Lys	Val	Asp	Leu	Ala	Val
			755				760					765			
Leu	Ala	Ala	Val	Glu	Ile	Arg	Gly	Val	Ser	Ser	Pro	Asp	His	Ile	Phe
			770			775					780				
Leu	Pro	Ile	Pro	Asn	Trp	Glu	His	Lys	Glu	Asn	Pro	Glu	Thr	Glu	Glu
785					790					795					800
Asp	Val	Gly	Pro	Val	Val	Gln	His	Ile	Tyr	Glu	Leu	Arg	Asn	Asn	Gly
				805					810					815	
Pro	Ser	Ser	Phe	Ser	Lys	Ala	Met	Leu	His	Leu	Gln	Trp	Pro	Tyr	Lys
				820				825					830		
Tyr	Asn	Asn	Asn	Thr	Leu	Leu	Tyr	Ile	Leu	His	Tyr	Asp	Ile	Asp	Gly
	835					840					845				
Pro	Met	Asn	Cys	Thr	Ser	Asp	Met	Glu	Ile	Asn	Pro	Leu	Arg	Ile	Lys
	850					855					860				
Ile	Ser	Ser	Leu	Gln	Thr	Thr	Glu	Lys	Asn	Asp	Thr	Val	Ala	Gly	Gln
865					870					875					880

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Gly Glu Arg Asp His Leu Ile Thr Lys Arg Asp Leu Ala Leu Ser Glu
885 890 895
Gly Asp Ile His Thr Leu Gly Cys Gly Val Ala Gln Cys Leu Lys Ile
900 905 910
Val Cys Gln Val Gly Arg Leu Asp Arg Gly Lys Ser Ala Ile Leu Tyr
915 920 925
Val Lys Ser Leu Leu Trp Thr Glu Thr Phe Met Asn Lys Glu Asn Gln
930 935 940
Asn His Ser Tyr Ser Leu Lys Ser Ser Ala Ser Phe Asn Val Ile Glu
945 950 955 960
Phe Pro Tyr Lys Asn Leu Pro Ile Glu Asp Ile Thr Asn Ser Thr Leu
965 970 975
Val Thr Thr Asn Val Thr Trp Gly Ile Gln Pro Ala Pro Met Pro Val
980 985 990
Pro Val Trp Val Ile Ile Leu Ala Val Leu Ala Gly Leu Leu Leu
995 1000 1005
Ala Val Leu Val Phe Val Met Tyr Arg Met Gly Phe Phe Lys Arg
1010 1015 1020
Val Arg Pro Pro Gln Glu Glu Gln Glu Arg Glu Gln Leu Gln Pro
1025 1030 1035
His Glu Asn Gly Glu Gly Asn Ser Glu Thr
1040 1045

<210> SEQ ID NO 10
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 10

agatatacta tgcac

15

<210> SEQ ID NO 11
<211> LENGTH: 51

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corrected as shown below:

<212> TYPE: DNA
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 11
gttatatcat ttgatggaag caataaatac tacgtagact ccgtgaaggg c 51

<210> SEQ ID NO 12
<211> LENGTH: 30
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 12
gaggcccggg gatcgtatgc ttttgatatac 30

<210> SEQ ID NO 13
<211> LENGTH: 42
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 13
ctctcctgca gggccagtca gagtgttagc agctacttag cc 42

<210> SEQ ID NO 14
<211> LENGTH: 18
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 14
gatgcatcca acagggcc 18

<210> SEQ ID NO 15

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<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 15
cagcagcgta gcaactggcc t

21

<210> SEQ ID NO 16
<211> LENGTH: 788
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 16

Met	Arg	Ala	Arg	Pro	Arg	Pro	Arg	Pro	Leu	Trp	Ala	Thr	Val	Leu	Ala
1				5					10					15	
Leu	Gly	Ala	Leu	Ala	Gly	Val	Gly	Val	Gly	Gly	Pro	Asn	Ile	Cys	Thr
			20						25					30	
Thr	Arg	Gly	Val	Ser	Ser	Cys	Gln	Gln	Cys	Leu	Ala	Val	Ser	Pro	Met
			35				40					45			
Cys	Ala	Trp	Cys	Ser	Asp	Glu	Ala	Leu	Pro	Leu	Gly	Ser	Pro	Arg	Cys
			50			55					60				
Asp	Leu	Lys	Glu	Asn	Leu	Lys	Asp	Asn	Cys	Ala	Pro	Glu	Ser	Ile	
			65			70				75				80	
Glu	Phe	Pro	Val	Ser	Glu	Ala	Arg	Val	Leu	Glu	Asp	Arg	Pro	Leu	Ser
				85					90					95	
Asp	Lys	Gly	Ser	Gly	Asp	Ser	Ser	Gln	Val	Thr	Gln	Val	Ser	Pro	Gln
			100					105					110		
Arg	Ile	Ala	Leu	Arg	Leu	Arg	Pro	Asp	Asp	Ser	Lys	Asn	Phe	Ser	Ile
			115				120						125		
Gln	Val	Arg	Gln	Val	Glu	Asp	Tyr	Pro	Val	Asp	Ile	Tyr	Tyr	Leu	Met
			130			135					140				
Asp	Leu	Ser	Tyr	Ser	Met	Lys	Asp	Asp	Leu	Trp	Ser	Ile	Gln	Asn	Leu
145					150					155					160

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Gly	Thr	Lys	Leu	Ala	Thr	Gln	Met	Arg	Lys	Leu	Thr	Ser	Asn	Leu	Arg
				165						170				175	
Ile	Gly	Phe	Gly	Ala	Phe	Val	Asp	Lys	Pro	Val	Ser	Pro	Tyr	Met	Tyr
			180					185					190		
Ile	Ser	Pro	Pro	Glu	Ala	Leu	Glu	Asn	Pro	Cys	Tyr	Asp	Met	Lys	Thr
		195					200					205			
Thr	Cys	Leu	Pro	Met	Phe	Gly	Tyr	Lys	His	Val	Leu	Thr	Leu	Thr	Asp
	210					215					220				
Gln	Val	Thr	Arg	Phe	Asn	Glu	Glu	Val	Lys	Lys	Gln	Ser	Val	Ser	Arg
225					230					235					240
Asn	Arg	Asp	Ala	Pro	Glu	Gly	Gly	Phe	Asp	Ala	Ile	Met	Gln	Ala	Thr
				245					250					255	
Val	Cys	Asp	Glu	Lys	Ile	Gly	Trp	Arg	Asn	Asp	Ala	Ser	His	Leu	Leu
		260						265					270		
Val	Phe	Thr	Thr	Asp	Ala	Lys	Thr	His	Ile	Ala	Leu	Asp	Gly	Arg	Leu
		275					280					285			
Ala	Gly	Ile	Val	Gln	Pro	Asn	Asp	Gly	Gln	Cys	His	Val	Gly	Ser	Asp
	290					295					300				
Asn	His	Tyr	Ser	Ala	Ser	Thr	Thr	Met	Asp	Tyr	Pro	Ser	Leu	Gly	Leu
305					310					315					320
Met	Thr	Glu	Lys	Leu	Ser	Gln	Lys	Asn	Ile	Asn	Leu	Ile	Phe	Ala	Val
			325						330					335	
Thr	Glu	Asn	Val	Val	Asn	Leu	Tyr	Gln	Asn	Tyr	Ser	Glu	Leu	Ile	Pro
		340						345					350		
Gly	Thr	Thr	Val	Gly	Val	Leu	Ser	Met	Asp	Ser	Ser	Asn	Val	Leu	Gln
		355				360						365			
Leu	Ile	Val	Asp	Ala	Tyr	Gly	Lys	Ile	Arg	Ser	Lys	Val	Glu	Leu	Glu
	370					375					380				
Val	Arg	Asp	Leu	Pro	Glu	Glu	Leu	Ser	Leu	Ser	Phe	Asn	Ala	Thr	Cys
385					390					395					400
Leu	Asn	Asn	Glu	Val	Ile	Pro	Gly	Leu	Lys	Ser	Cys	Met	Gly	Leu	Lys
			405						410					415	
Ile	Gly	Asp	Thr	Val	Ser	Phe	Ser	Ile	Glu	Ala	Lys	Val	Arg	Gly	Cys
			420					425					430		

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INVENTOR(S) : **George Heavner, Jill Giles-Komar, Linda Snyder and Mohit Trikha**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Pro	Gln	Glu	Lys	Glu	Lys	Ser	Phe	Thr	Ile	Lys	Pro	Val	Gly	Phe	Lys
		435					440					445			
Asp	Ser	Leu	Ile	Val	Gln	Val	Thr	Phe	Asp	Cys	Asp	Cys	Ala	Cys	Gln
		450					455					460			
Ala	Gln	Ala	Glu	Pro	Asn	Ser	His	Arg	Cys	Asn	Asn	Gly	Asn	Gly	Thr
		465					470					475			480
Phe	Glu	Cys	Gly	Val	Cys	Arg	Cys	Gly	Pro	Gly	Trp	Leu	Gly	Ser	Gln
				485						490				495	
Cys	Glu	Cys	Ser	Glu	Glu	Asp	Tyr	Arg	Pro	Ser	Gln	Gln	Asp	Glu	Cys
			500					505					510		
Ser	Pro	Arg	Glu	Gly	Gln	Pro	Val	Cys	Ser	Gln	Arg	Gly	Glu	Cys	Leu
			515				520					525			
Cys	Gly	Gln	Cys	Val	Cys	His	Ser	Ser	Asp	Phe	Gly	Lys	Ile	Thr	Gly
		530				535				540					
Lys	Tyr	Cys	Glu	Cys	Asp	Phe	Ser	Cys	Val	Arg	Tyr	Lys	Gly	Glu	
		545			550				555					560	
Met	Cys	Ser	Gly	His	Gly	Gln	Cys	Ser	Cys	Gly	Asp	Cys	Leu	Cys	Asp
				565					570					575	
Ser	Asp	Trp	Thr	Gly	Tyr	Tyr	Cys	Asn	Cys	Thr	Thr	Arg	Thr	Asp	Thr
			580					585					590		
Cys	Met	Ser	Ser	Asn	Gly	Leu	Leu	Cys	Ser	Gly	Arg	Gly	Lys	Cys	Glu
		595				600						605			
Cys	Gly	Ser	Cys	Val	Cys	Ile	Gln	Pro	Gly	Ser	Tyr	Gly	Asp	Thr	Cys
		610				615					620				
Glu	Lys	Cys	Pro	Thr	Cys	Pro	Asp	Ala	Cys	Thr	Phe	Lys	Lys	Glu	Cys
		625				630				635				640	
Val	Glu	Cys	Lys	Lys	Phe	Asp	Arg	Glu	Pro	Tyr	Met	Thr	Glu	Asn	Thr
			645						650				655		
Cys	Asn	Arg	Tyr	Cys	Arg	Asp	Glu	Ile	Glu	Ser	Val	Lys	Glu	Leu	Lys
		660						665					670		
Asp	Thr	Gly	Lys	Asp	Ala	Val	Asn	Cys	Thr	Tyr	Lys	Asn	Glu	Asp	Asp
		675					680					685			
Cys	Val	Val	Arg	Phe	Gln	Tyr	Tyr	Glu	Asp	Ser	Ser	Gly	Lys	Ser	Ile
		690				695						700			

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PATENT NO. 7,288,390

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,288,390
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INVENTOR(S) : George Heavner, Jill Giles-Komar, Linda Snyder and
Mohit Trikha

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Leu Tyr Val Val Glu Glu Pro Glu Cys Pro Lys Gly Pro Asp Ile Leu
705 710 715 720
Val Val Leu Leu Ser Val Met Gly Ala Ile Leu Leu Ile Gly Leu Ala
725 730 735
Ala Leu Leu Ile Trp Lys Leu Leu Ile Thr Ile His Asp Arg Lys Glu
740 745 750
Phe Ala Lys Phe Glu Glu Glu Arg Ala Arg Ala Lys Trp Asp Thr Ala
755 760 765
Asn Asn Pro Leu Tyr Lys Glu Ala Thr Ser Thr Phe Thr Asn Ile Thr
770 775 780
Tyr Arg Gly Thr
785

<210> SEQ ID NO 17
<211> LENGTH: 799
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens

<400> SEQUENCE: 17

Met Pro Arg Ala Pro Ala Pro Leu Tyr Ala Cys Leu Leu Gly Leu Cys
1 5 10 15
Ala Leu Leu Pro Arg Leu Ala Gly Leu Asn Ile Cys Thr Ser Gly Ser
20 25 30
Ala Thr Ser Cys Glu Glu Cys Leu Leu Ile His Pro Lys Cys Ala Trp
35 40 45
Cys Ser Lys Glu Asp Phe Gly Ser Pro Arg Ser Ile Thr Ser Arg Cys
50 55 60
Asp Leu Arg Ala Asn Leu Val Lys Asn Gly Cys Gly Gly Glu Ile Glu
65 70 75 80
Ser Pro Ala Ser Ser Phe His Val Leu Arg Ser Leu Pro Leu Ser Ser
85 90 95
Lys Gly Ser Gly Ser Ala Gly Trp Asp Val Ile Gln Met Thr Pro Gln
100 105 110

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Glu	Ile	Ala	Val	Asn	Leu	Arg	Pro	Gly	Asp	Lys	Thr	Thr	Phe	Gln	Leu
	115						120					125			
Gln	Val	Arg	Gln	Val	Glu	Asp	Tyr	Pro	Val	Asp	Leu	Tyr	Tyr	Leu	Met
	130					135					140				
Asp	Leu	Ser	Leu	Ser	Met	Lys	Asp	Asp	Leu	Asp	Asn	Ile	Arg	Ser	Leu
	145				150				155						160
Gly	Thr	Lys	Leu	Ala	Glu	Glu	Met	Arg	Lys	Leu	Thr	Ser	Asn	Phe	Arg
			165						170					175	
Leu	Gly	Phe	Gly	Ser	Phe	Val	Asp	Lys	Asp	Ile	Ser	Pro	Phe	Ser	Tyr
		180						185					190		
Thr	Ala	Pro	Arg	Tyr	Gln	Thr	Asn	Pro	Cys	Ile	Gly	Tyr	Lys	Leu	Phe
	195						200					205			
Pro	Asn	Cys	Val	Pro	Ser	Phe	Gly	Phe	Arg	His	Leu	Leu	Pro	Leu	Thr
	210					215					220				
Asp	Arg	Val	Asp	Ser	Phe	Asn	Glu	Glu	Val	Arg	Lys	Gln	Arg	Val	Ser
	225				230					235					240
Arg	Asn	Arg	Asp	Ala	Pro	Glu	Gly	Gly	Phe	Asp	Ala	Val	Leu	Gln	Ala
			245						250					255	
Ala	Val	Cys	Lys	Glu	Lys	Ile	Gly	Trp	Arg	Lys	Asp	Ala	Leu	His	Leu
		260						265					270		
Leu	Val	Phe	Thr	Thr	Asp	Asp	Val	Pro	His	Ile	Ala	Leu	Asp	Gly	Lys
		275					280					285			
Leu	Gly	Gly	Leu	Val	Gln	Pro	His	Asp	Gly	Gln	Cys	His	Leu	Asn	Glu
	290					295					300				
Ala	Asn	Glu	Tyr	Thr	Ala	Ser	Asn	Gln	Met	Asp	Tyr	Pro	Ser	Leu	Ala
	305				310					315					320
Leu	Leu	Gly	Glu	Lys	Leu	Ala	Glu	Asn	Asn	Ile	Asn	Leu	Ile	Phe	Ala
			325						330					335	
Val	Thr	Lys	Asn	His	Tyr	Met	Leu	Tyr	Lys	Asn	Phe	Thr	Ala	Leu	Ile
		340						345					350		
Pro	Gly	Thr	Thr	Val	Glu	Ile	Leu	Asp	Gly	Asp	Ser	Lys	Asn	Ile	Ile
		355					360						365		

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Gln	Leu	Ile	Ile	Asn	Ala	Tyr	Asn	Ser	Ile	Arg	Ser	Lys	Val	Glu	Leu
370						375					380				
Ser	Val	Trp	Asp	Gln	Pro	Glu	Asp	Leu	Asn	Leu	Phe	Phe	Thr	Ala	Thr
385				390						395					400
Cys	Gln	Asp	Gly	Val	Ser	Tyr	Pro	Gly	Gln	Arg	Lys	Cys	Glu	Gly	Leu
				405					410						415
Lys	Ile	Gly	Asp	Thr	Ala	Ser	Phe	Glu	Val	Ser	Leu	Glu	Ala	Arg	Ser
				420				425					430		
Cys	Pro	Ser	Arg	His	Thr	Glu	His	Val	Phe	Ala	Leu	Arg	Pro	Val	Gly
				435			440					445			
Phe	Arg	Asp	Ser	Leu	Glu	Val	Gly	Val	Thr	Tyr	Asn	Cys	Thr	Cys	Gly
				450			455				460				
Cys	Ser	Val	Gly	Leu	Glu	Pro	Asn	Ser	Ala	Arg	Cys	Asn	Gly	Ser	Gly
465					470					475					480
Thr	Tyr	Val	Cys	Gly	Leu	Cys	Glu	Cys	Ser	Pro	Gly	Tyr	Leu	Gly	Thr
				485					490						495
Arg	Cys	Glu	Cys	Gln	Asp	Gly	Glu	Asn	Gln	Ser	Val	Tyr	Gln	Asn	Leu
				500				505					510		
Cys	Arg	Glu	Ala	Glu	Gly	Lys	Pro	Leu	Cys	Ser	Gly	Arg	Gly	Asp	Cys
				515			520					525			
Ser	Cys	Asn	Gln	Cys	Ser	Cys	Phe	Glu	Ser	Glu	Phe	Gly	Lys	Ile	Tyr
				530		535					540				
Gly	Pro	Phe	Cys	Glu	Cys	Asp	Asn	Phe	Ser	Cys	Ala	Arg	Asn	Lys	Gly
545					550					555					560
Val	Leu	Cys	Ser	Gly	His	Gly	Glu	Cys	His	Cys	Gly	Glu	Cys	Lys	Cys
				565					570					575	
His	Ala	Gly	Tyr	Ile	Gly	Asp	Asn	Cys	Asn	Cys	Ser	Thr	Asp	Ile	Ser
				580				585					590		
Thr	Cys	Arg	Gly	Arg	Asp	Gly	Gln	Ile	Cys	Ser	Glu	Arg	Gly	His	Cys
				595			600					605			
Leu	Cys	Gly	Gln	Cys	Gln	Cys	Thr	Glu	Pro	Gly	Ala	Phe	Gly	Glu	Met
610						615						620			

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Cys	Glu	Lys	Cys	Pro	Thr	Cys	Pro	Asp	Ala	Cys	Ser	Thr	Lys	Arg	Asp
625					630					635					640
Cys	Val	Glu	Cys	Leu	Leu	His	Ser	Gly	Lys	Pro	Asp	Asn	Gln	Thr	
			645					650					655		
Cys	His	Ser	Leu	Cys	Arg	Asp	Glu	Val	Ile	Thr	Trp	Val	Asp	Thr	Ile
			660					665					670		
Val	Lys	Asp	Gln	Glu	Ala	Val	Leu	Cys	Phe	Tyr	Lys	Thr	Ala	Lys	
		675				680					685				
Asp	Cys	Val	Met	Met	Phe	Thr	Tyr	Val	Glu	Leu	Pro	Ser	Gly	Lys	Ser
		690				695					700				
Asn	Leu	Thr	Val	Leu	Arg	Glu	Pro	Glu	Cys	Gly	Asn	Thr	Pro	Asn	Ala
					710					715					720
Met	Thr	Ile	Leu	Leu	Ala	Val	Val	Gly	Ser	Ile	Leu	Leu	Val	Gly	Leu
					725				730					735	
Ala	Leu	Leu	Ala	Ile	Trp	Lys	Leu	Leu	Val	Thr	Ile	His	Asp	Arg	Arg
			740						745					750	
Glu	Phe	Ala	Lys	Phe	Gln	Ser	Glu	Arg	Ser	Arg	Ala	Arg	Tyr	Glu	Met
		755					760					765			
Ala	Ser	Asn	Pro	Leu	Tyr	Arg	Lys	Pro	Ile	Ser	Thr	His	Thr	Val	Asp
		770				775					780				
Phe	Thr	Phe	Asn	Lys	Phe	Asn	Lys	Ser	Tyr	Asn	Gly	Thr	Val	Asp	
785					790					795					

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